

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0817	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0817 Carlin	M *	7.69						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.01	0.04	0.52%	0.01			
Encroachments					2.09			
Animal Control		0.01	0.04	0.52%				
Slope Stability							1.11	
Flood Preparedness & Training	0.08		0.08	1.04%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03			
<i>LMA Totals:</i>	0.08	0.02	0.16	2.08% *	2.13	0.00	1.11	0.00
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD0817	A	3.82						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.07			
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.09	0.00	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0817	M *	3.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.01	0.04	1.03%	0.01			
Encroachments					0.02			
Animal Control		0.01	0.04	1.03%				
Slope Stability							1.11	
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.00	0.02	0.08	2.07% *	0.04	0.00	1.11	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Reclamation District No. 0817 Carlin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	3.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/30/2013 - 04/30/2013		10/15/2013 - 10/15/2013	
DWR Inspector	Rick Burnett		Matthew Hoffman	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
			Tom Engler RD 817	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0817 Carlin

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek					Left	3.82	10/15/2013 10/15/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Flood Preparedness & Training	LS	M Ma	Inspector Comments: No training records were available during the inspection.	°	°	2
DWR ID: DWR_RD0817_01_s_2012_2										
2			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	9
DWR ID: DWR_RD0817_01_s_2013_9										
3			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	10
DWR ID: DWR_RD0817_01_s_2013_10										
4	0.00	3.75	Earthen Levee	Vegetation	WSA/W	V2 : Remove the wild growth other than native grasses from the levee slopes.		38.984695 °	39.019369 °	7
								-121.506115 °	-121.455139 °	Y
DWR ID: DWR_RD0817_01_f_2013_7										
5	0.00	3.75	Earthen Levee	Vegetation	LS A/W	V2 : Remove the wild growth other than native grasses from the levee slopes.		38.984695 °	39.019369 °	11
								-121.506115 °	-121.455139 °	
DWR ID: DWR_RD0817_01_f_2013_11										
6	1.34	1.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12284 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Not properly abandoned. FIELD_STRUCT_DESC: Abandoned 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013	38.997961 °	-121.488455 °	1
								38.997961 °	-121.488455 °	
DWR ID: DWR_RD0817_01_f_2013_1										
7	1.34	1.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12286 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Not properly abandoned. FIELD_STRUCT_DESC: Abandoned 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013	38.997961 °	-121.488455 °	4
								38.997961 °	-121.488455 °	
DWR ID: DWR_RD0817_01_f_2013_4										
8	1.74	3.81	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Wire fence at L/S levee toe.	39.002941 °	39.019763 °	8
								-121.484856 °	-121.454151 °	Y
DWR ID: DWR_RD0817_01_s_2013_8										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.82	10/15/2013 10/15/2013	Matthew Hoffman

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	3.75
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo was taken from the crown of the levee facing west looking at the vegetation on the waterward side of the levee.

mhoffman_f_20131016_655.JPG



Levee Mile Report Line	8
Start Levee Mile	1.74
End Levee Mile	3.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Wire fence at L/S levee toe.

mhoffman_f_20130917_098.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/30/2013 - 04/30/2013		10/15/2013 - 10/15/2013	
DWR Inspector	Rick Burnett		Matthew Hoffman	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
			Tom Engler RD 817	

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Reclamation District No. 0817 Carlin

DWR ID: DWR_RD0817_02_f_2013_8Page 1 of 4

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	10/15/2013 10/15/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	3.74	3.74	Earthen Levee	Slope Stability	LS	A/W	S1 : Repair slope instability. Inspector Comments: Separation line in the soil on the landward side between the clay and the sand.	38.992656 ° -121.439508 °	38.992656 ° -121.439508 °	6 Y

DWR ID: DWR_RD0817_02_f_2013_6

*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	10/15/2013 10/15/2013	Matthew Hoffman

Levee Mile Report Line	3
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo was taken from the crown of the levee facing east looking at the blackberry bushes on the landward slope of the levee. They have been sprayed but still need to be removed.

mhoffman_f_20131016_656.JPG



Levee Mile Report Line	4
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pruning pile at L/S levee toe.

mhoffman_f_20130917_104.JPG



Levee Mile Report Line	7
Start Levee Mile	2.08
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Levee mile 2.08, this photo shows the slope is less than required, this is the downstream limit of the site, this is the waterside slope.

mhoffman_f_20130917_103.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	10/15/2013 10/15/2013	Matthew Hoffman

Levee Mile Report Line	10
Start Levee Mile	2.17
End Levee Mile	2.17
Location	Water Side
Category	Earthen Levee
Item	Animal Control

This photo was taken from the crown of the levee facing east looking at a medium sized animal burrow in the the waterward side of the levee slope.

mhoffman_f_20131016_657.JPG



Levee Mile Report Line	11
Start Levee Mile	2.40
End Levee Mile	2.40
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Levee Crown: CMP riser with slide gate on WS and slender CMP riser with siphon breaker on LS.

UCIP_6483.jpg



Levee Mile Report Line	12
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

This photo was taken from the crown of the levee facing east looking at the separation line in the soil on the land ward side between the clay and the sand.

mhoffman_f_20131016_658.JPG



*** Location**

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